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10/509,783

09/29/2004

Robert Kamphuis

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06/19/2006

WARE FRESSOLA VAN DER SLUYS &
ADOLPHSON, LLP
BRADFORD GREEN, BUILDING 5
755 MAIN STREET, P O BOX 224
MONROE, CT 06468

EXAMINER

DOAN, KIET M

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 06/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/509,783

Applicant(s)

KAMPHUIS, ROBERT

Examiner

Kiet Doan

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 April 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is response to Remarks file on 04/11/2006.

Response to Arguments

Applicant's arguments filed 04/11/2006 have been fully considered but they are not persuasive.

In response to applicant's argument that reference does not teach "querying said SMSC in said cellular network for obtaining an attainability status of said mobile terminal device, by evaluating connection related data stored in said SMSC, wherein said connection related data related to messages pending for delivery to said mobile terminal device, and delivering said communication attempt to said mobile terminal device in accordance with said attainability status.

Examiner respectfully disagrees, base on the claim languages the reference of Lorello teaches "querying said SMSC in said cellular network for obtaining an attainability status of said mobile terminal device, by evaluating connection related data stored in said SMSC, wherein said connection related data related to messages pending for delivery to said mobile terminal device, and delivering said communication attempt to said mobile terminal device in accordance with said attainability status" (C4, L1-39, teach the SMSC received short message intended/delivery to mobile subscriber base on the available/attainability to receive message which means as/read on the attainability status of said mobile terminal device, further Fig.7 show pending short message delivery when mobile subscriber available/attainability), and

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delivering said communication attempt to said mobile terminal device in accordance with said attainability status (C4, L40-58, C9, L35-49, teach delivery message to mobile subscriber when available which means as delivering said communication said attainability status).

Therefore, examiner interpreted base on claim languages "querying said SMSC in said cellular network for obtaining an attainability status of said mobile terminal device, by evaluating connection related data stored in said SMSC, wherein said connection related data related to messages pending for delivery to said mobile terminal device, and delivering said communication attempt to said mobile terminal device in accordance with said attainability status" as broadest reasonable interpretation and it is proper.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banktukul et al. (Pub. No. 2003/0091020) in view of Lorello et al. (Patent No. 6,459,904).

Consider **claims 1, 10**, Bantukul teaches method for executing a communication attempt with a mobile terminal device in accordance with

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attainability status of said mobile terminal device in a cellular communication network having a Short Message Service Center (SMSC) by (Paragraph [0003], Fig.1 Illustrate mobile terminal No.110/128 as terminal device wherein capable receive/transmit SMS which read on attainability of said mobile terminal device in a cellular communication network having (SMSC)). Bantukul teach the limitation **but fail to teach** querying said SMSC in said cellular network for obtaining an attainability status of said mobile terminal device, by evaluating connection related data stored in said SMSC, wherein said connection related data related to messages pending for delivery to said mobile terminal device, and delivering said communication attempt to said mobile terminal device in accordance with said attainability status.

In an analogous art, Lorello teaches "Short message service notification better multiple short message service center". Further, Lorello teaches querying said SMSC in said cellular network for obtaining an attainability status of said mobile terminal device, by evaluating connection related data stored in said SMSC, wherein said connection related data related to messages pending for delivery to said mobile terminal device (C4, L1-39, teach the mobile subscriber available to receive message which means as attainability status of said mobile terminal device wherein Fig.7 show pending short message delivery), and delivering said communication attempt to said mobile terminal device in accordance with said attainability status (C4, L40-58, C9, L35-49, teach delivery message to mobile subscriber when available which means as delivering said communication said attainability status).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Bantukul and Lorello system, such that mobile terminal device in a cellular communication network having a Short Message Service Center (SMSC), obtaining an attainability status of said mobile terminal device and delivering, to provide means for keeping track and maintain the message for delivering to the users when available or capable receiving message.

Consider **claims 2 and 13**, Lorello teaches method according to claim 1, wherein said query of said SMSC further comprises a query of a Home Location Register (HLR) of the cellular communication network for an attainability status of said mobile terminal device and wherein said attainability status is obtained by evaluating connection related data stored in said HLR (C3, L14-28, Fig.1 Illustrate HLR No.102 wherein data stored in said HLR).

Consider **claim 3**, Lorello teaches method according to claim 1, wherein said connection related data are related to the connection state of said mobile terminal device (C3, L28-57).

Consider **claim 4**, Lorello teaches method according to claim1 wherein said data are location related (C3, L14-22).

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Consider **claim 5**, Bantukul teaches method according to claim 1, wherein said valuating comprises the valuating of data related to the communication to be attempted (Paragraph [0008-0009] teach capable transceiver short message which means as valuating of data).

Consider **claim 6**, Lorello teaches method according to claim 1, wherein said query is executed by initiating a Short Message delivery to said SMSC, said Short Message being destined for said mobile terminal device (Fig.1, show SMSC No.101 as being destined for said mobile terminal device No.104).

Consider **claim 7**, Bantukul teaches software tool for executing a communication attempt with a mobile terminal device in accordance with the attainability status of said mobile terminal device in a cellular communication network, comprising program code means for carrying out the steps of claim 1 when said software tool is implemented in a program on a Short Message Service Center, Service Center or a network device (Paragraph [0032] teach program load which inherently contain software tool).

Consider **claim 8**, Bantukul teaches computer program for executing a communication attempt with a mobile terminal device in accordance with the attainability status of said mobile terminal device in a cellular communication network, comprising program code means for carrying out the steps of claim 1 when said program is run on a Short Message Service Center, a Service Center

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or a network device (Paragraph [0032] teach communication subsystem which contain computer program).

Consider **claim 9**, Bantukul teaches computer program product comprising program code means stored on a computer readable medium for carrying out the method of anyone of claims 1 to 6 when said program product is run on a Short Message Service Center, a Service Center or a network device (Paragraph [0032]).

Consider **claim 11**, Bantukul teaches Short Message Service Center (SMSC) of claim 10, further comprising a component for generating a message according to results from the said component for evaluating (Paragraphs [0005-0006], Fig.1 which contain component for generating a message).

Consider **claim 12**, Bantukul teaches network device connectable to a Short Message Service Center (SMSC) of a cellular communication network (Fig.1, Illustrate the network which contain SMSC).

Lorello teaches comprising: components for sending and receiving messages, characterized by: a component for generating a message for querying a SMSC for data being related to messages pending for delivery to a mobile terminal device and transferring said data to said network device, a component for obtaining an attainability status from said transferred data (C4, L1-39), and a component for delivering communication attempts according to said attainability

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status (C4, L40-58, C9, L35-49, Fig.7, show as contain component would read on No.701-703).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

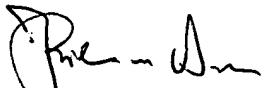
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.

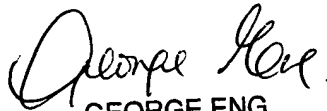
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Kiet Doan
Patent Examiner



GEORGE ENG
SUPERVISORY PATENT EXAMINER